

$\Upsilon(11020)$

$$I^G(J^{PC}) = 0^-(1^{--})$$

NODE=M093

 $\Upsilon(11020)$ MASS

NODE=M093M

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
11019 ± 8 OUR AVERAGE			
[11.019 ± 0.008 GeV OUR 2012 AVERAGE]			
11019 ± 5 ± 7	BESSION	85	CLEO $e^+e^- \rightarrow$ hadrons
11020 ± 30	LOVELOCK	85	CUSB $e^+e^- \rightarrow$ hadrons
• • • We do not use the following data for averages, fits, limits, etc. • • •			
10996 ± 2	¹ AUBERT	09E	BABR $e^+e^- \rightarrow$ hadrons

NODE=M093M

NEW

¹In a model where a flat non-resonant $b\bar{b}$ -continuum is incoherently added to a second flat component interfering with two Breit-Wigner resonances. Systematic uncertainties not estimated.

NODE=M093M;LINKAGE=AU

 $\Upsilon(11020)$ WIDTH

NODE=M093W

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
79 ± 16 OUR AVERAGE			
61 ± 13 ± 22	BESSION	85	CLEO $e^+e^- \rightarrow$ hadrons
90 ± 20	LOVELOCK	85	CUSB $e^+e^- \rightarrow$ hadrons
• • • We do not use the following data for averages, fits, limits, etc. • • •			
37 ± 3	² AUBERT	09E	BABR $e^+e^- \rightarrow$ hadrons

NODE=M093W

²In a model where a flat non-resonant $b\bar{b}$ -continuum is incoherently added to a second flat component interfering with two Breit-Wigner resonances. Systematic uncertainties not estimated.

NODE=M093W;LINKAGE=AU

 $\Upsilon(11020)$ DECAY MODES

NODE=M093215;NODE=M093

Mode	Fraction (Γ_i/Γ)
$\Gamma_1 \quad e^+e^-$	$(1.6 \pm 0.5) \times 10^{-6}$

DESIG=1

 $\Upsilon(11020)$ PARTIAL WIDTHS

NODE=M093220

$\Gamma(e^+e^-)$	VALUE (keV)	DOCUMENT ID	TECN	COMMENT	Γ_1
0.130 ± 0.030 OUR AVERAGE					
	0.095 ± 0.03 ± 0.035	BESSION	85	CLEO $e^+e^- \rightarrow$ hadrons	
	0.156 ± 0.040	LOVELOCK	85	CUSB $e^+e^- \rightarrow$ hadrons	

NODE=M093W1

NODE=M093W1

 $\Upsilon(11020)$ REFERENCES

NODE=M093

AUBERT	09E	PRL 102 012001	B. Aubert <i>et al.</i>	(BABAR Collab.)
BESSION	85	PRL 54 381	D. Besson <i>et al.</i>	(CLEO Collab.)
LOVELOCK	85	PRL 54 377	D.M.J. Lovelock <i>et al.</i>	(CUSB Collab.)

REFID=52661

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